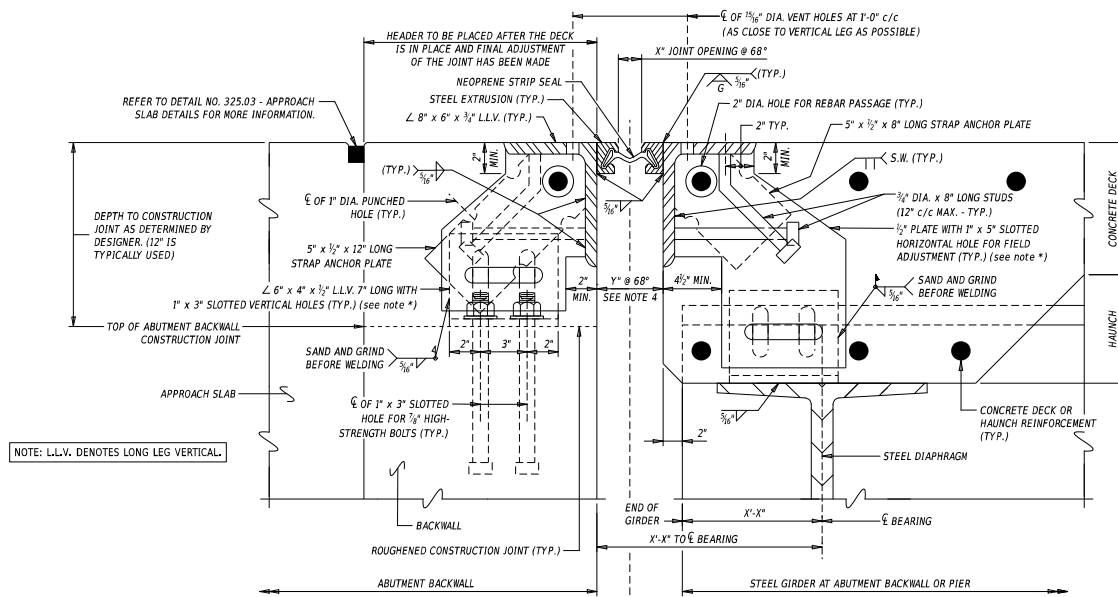
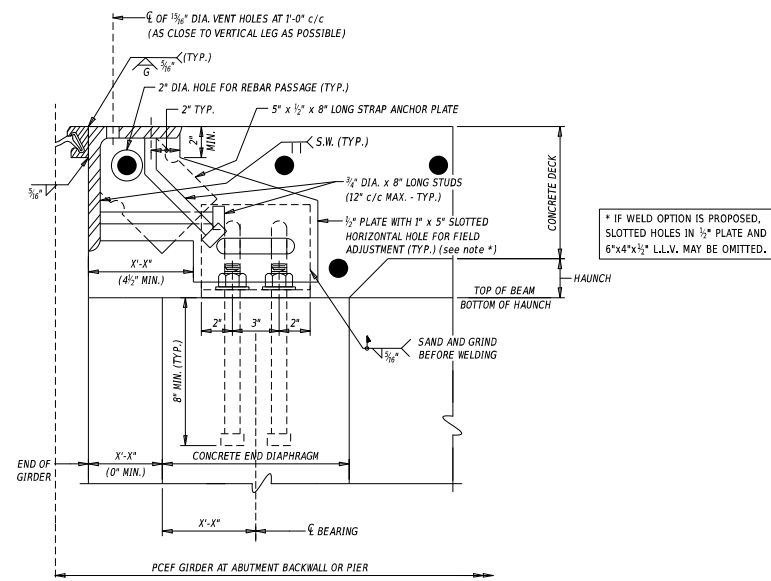


NOTE: POTENTIAL SHARED USER PATH UTILIZING INTERIOR BARRIER NOT SHOWN FOR CLARITY, REFER TO SECTION B-B.

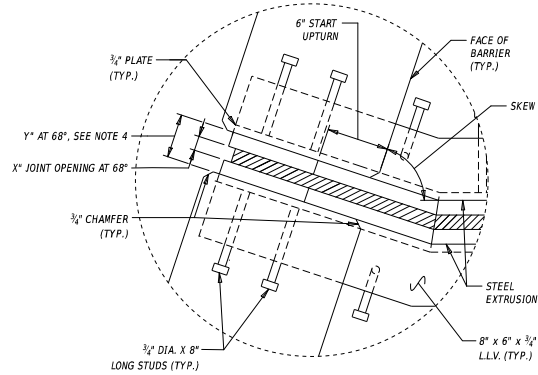
TYPICAL JOINT PLAN WITH NO SKEW
(EXAMPLE SHOWN USING PCEF GIRDERS TO ABUTMENT BACKWALL)



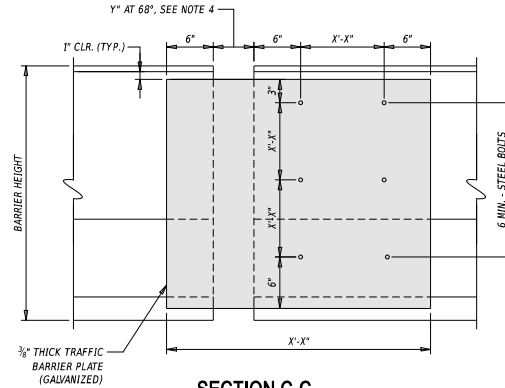
NOTE: LONGITUDINAL DECK REINFORCEMENT AND SHEAR STUDS NOT SHOWN FOR CLARITY. EXAMPLE DETAIL IN SECTION A-A SHOWS 6"x4"x1/2" LL.V. WELDED ONTO THE STEEL DIAPHRAGM. ALTERNATIVELY IT MAY BE BOLTED. IF C-CHANNELS ARE USED AS DIAPHRAGMS, THE FLANGES MUST FACE AWAY FROM THE BACKWALL.



* IF WELD OPTION IS PROPOSED, SLOTTED HOLES IN 1/2" PLATE AND 6"x4"x1/2" LL.V. MAY BE OMITTED.

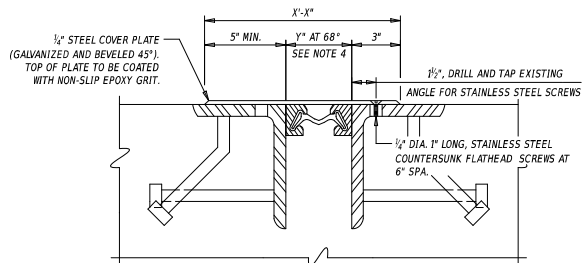


DETAILA



SECTION C-C

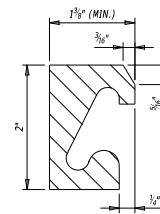
NOTE: STRUCTURAL COMPONENTS BELOW BARRIER NOT SHOWN FOR CLARITY.



JOINT SECTION AT SIDEWALK

(BRIDGES WITH SIDEWALK)

NOTE:
-ALL STEEL MUST BE ASTM A709, GRADE 36 or 50 AND HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.
-APPLY EPOXY COATING ON BOTH SIDES OF THE STEEL COVER PLATE. THE TOP OF PLATE (WALKING SURFACE) MUST RECEIVE NON-SLIP EPOXY GRIT COATING IN ACCORDANCE WITH ADA A4.5.



STEEL EXTRUSION DETAIL

STRIP SEAL EXPANSION JOINT NOTES

1. STEEL FOR DECK JOINTS AND STEEL EXTRUSIONS SHALL BE AASHTO M270, GR. 36 (ASTM A36) AT MINIMUM.
2. NEOPRENE EXTRUSION TO MEET ASTM D2628-91 MODIFIED. (RECOVERY TESTS EXCLUDED).
3. THE EXPANSION JOINT SHALL BE CAPABLE OF SEALING THE DECK TO PREVENT MOISTURE AND OTHER CONTAMINANTS FROM DESCENDING THROUGH THE JOINT.
4. THE CONTRACTOR SHALL ADJUST THE OPEN JOINT (defined as "Y") AS REQUIRED BY THE WIDTH OF THE STEEL EXTRUSION USED SO AS TO PROVIDE A (insert design joint opening)" JOINT OPENING AT 68°.
5. THE STRIP SEAL SHALL BE INSTALLED IN ONE PIECE ACROSS THE BRIDGE WIDTH. SPLICING OF THE STRIP SEAL IS NOT PERMITTED.
6. THE EXPANSION JOINT SYSTEM IS PAID FOR UNDER (insert appropriate 'prefabricated expansion joint system' item).
7. ENTIRE EXPANSION DAM SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 624 OF THE STANDARD SPECIFICATIONS.
8. LUBRICANT-ADHESIVE FOR USE IN INSTALLING AND BONDING NEOPRENE SEAL ELEMENTS TO STEEL JOINT COMPONENTS SHALL BE A ONE QUART MOISTURE-CURING POLYURETHANE AND HYDROCARBON SOLVENT MIXTURE HAVING THE FOLLOWING PHYSICAL PROPERTIES:

AVERAGE WEIGHT, POUNDS PER GALLON	8 ± 10%
SOLIDS CONTENT	65%
ADHESIVE SHALL REMAIN LIQUID FROM	5°F TO 120°F
FILM STRENGTH, AS PER ASTM D-412	2,000 PSI
ELONGATION	250%
9. HOLES SHALL BE PLACED IN THE RIB PLATES AND STRAP ANCHOR PLATES FOR BAR REINFORCEMENT. IF THIS IS DONE IN THE FIELD, TOUCH-UP THE HOLES IN ACCORDANCE WITH ASTM A780. PAYMENT INCIDENTAL TO (insert appropriate 'prefabricated expansion joint system' item).
10. ANCHOR PLATE AND STEEL EXTRUSION SHALL BE WELDED TO BE WATERTIGHT AT CONSTRUCTION JOINTS. PAYMENT INCIDENTAL TO (insert appropriate 'prefabricated expansion joint system' item).
11. WHERE TRAFFIC BARRIER PLATES ARE USED:
 -SUCH BARRIERS ARE REQUIRED WHERE THE OPEN JOINT AS DESCRIBED IN NOTE 4 IS FOUR INCHES OR WIDER.
 -USE TYPE 316 STAINLESS STEEL COUNTERSUNK FLATHEAD SCREWS WITH ASTM A108 CONCRETE THREADED ANCHOR or THREADED INSERT.
 -THE HEAD OF SCREWS SHALL BE FLUSH WITH FACE OF STEEL PLATE.
 -THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS OF TRAFFIC BARRIER PLATES FOR APPROVAL.
12. AT AREAS WHERE STEEL MEMBERS ARE TO BE SPLICED, USE OF COMPLETE JOINT PENETRATION (CJP) AND PARTIAL JOINT PENETRATION (PJP) WELD ARE BOTH PERMITTED. THE THICKNESS OF PJP WELD MUST BE MINIMUM HALF OF THE STEEL MEMBER THICKNESS.
13. (phasing only) THE CONTRACTOR SHALL SUBMIT A WORKING PLAN FOR PLACEMENT OF STRIP SEAL DUE TO PHASING.

DESIGNER NOTES

1. APPLICABLE STRIP SEAL EXPANSION JOINT DETAIL NOTES ARE REQUIRED TO BE SHOWN IN THE PLAN SET.
2. JOINT OPENING TABLE MUST BE SHOWN IN THE PLAN SET.
3. REFER TO SECTIONS 106.6.2 AND 109.7 FOR MORE INFORMATION ON STRIP SEAL EXPANSION JOINT DESIGN.
4. MAXIMUM JOINT OPENING FOR USE OF STRIP SEAL EXPANSION JOINTS SHOULD BE LIMITED TO 4 INCHES. IF THE JOINT OPENING IS GREATER THAN 4", CONSIDER USING FINGER OR MODULAR JOINTS.
5. UNDER PLAN VIEWS ON FIRST SHEET, THE EXAMPLE UTILIZES JOINTS ON BRIDGE (CONCRETE DECK TO ABUTMENT BACKWALL). REVISE AS NECESSARY FOR JOINTS AT PIERS OR APPROACH SLAB TO SLEEPER SLAB.
6. BLOCKOUTS ARE NOT INCLUDED IN SECTIONS A-A OF THIS DETAIL. THE USE OF BLOCKOUTS ARE TYPICALLY LIMITED TO DECK JOINT REPLACEMENTS ONLY. BLOCKOUTS ARE NOT TYPICALLY USED FOR NEW DECKS OR FULL DECK REPLACEMENTS.

JOINT OPENING (INCH)

LOCATION	TEMPERATURE (°F)					MOVEMENT CLASSIFICATION
	10	30	50	70	90	
XXXXXXXXXX	X	X	X	X	X	X"
XXXXXXXXXX	X	X	X	X	X	X"
XXXXXXXXXX	X	X	X	X	X	X"

